

Listing of Claims**1. - 23. (cancelled)**

1 24. (new) A method for making a glued-together screen assembly for use in
2 a vibratory separator, the method comprising
3 producing at least one layer of screening material with glue on the
4 surface thereof,
5 placing the at least one layer of screening material on heating
6 apparatus,
7 heating the at least one layer of screening material with the
8 heating apparatus,
9 placing a secondary member on the at least one layer of screening
10 material,
11 heating together the at least one layer of screening material and
12 the secondary member to combine the at least one layer of screening material
13 and the at least one secondary member forming a first screen assembly,
14 the heating apparatus comprising a control system, a plurality of
15 heating elements spaced-apart on the heating apparatus, and a plurality of heat
16 sensors, the plurality of heat sensors spaced-apart and movable to a position
17 adjacent the at least one layer of screening material, the plurality of heat
18 sensors in communication with the control system, the method further
19 comprising
20 sensing with the plurality of heat sensors temperatures of
21 different portions of the at least one layer of screening material during
22 heating thereof, and
23 controlling the plurality of spaced-apart heating elements
24 with the control system in response to temperatures sensed by the
25 plurality of heat sensors to control heat applied to the different portions
26 of the at least one layer of screening material during heating thereof.

1 25. (new) The method of claim 24 further comprising
2 controlling the plurality of spaced-apart heating elements to

3 uniformly heat the at least one layer of screening material.

1 26. (new) The method of claim 24 further comprising
2 the at least one layer of screening material comprising a plurality
3 of layers of screening material.

1 27. (new) The method of claim 24 wherein the at least one layer of screening
2 material is a layer of coarse mesh.

1 28. (new) The method of claim 24 wherein glue on the at least one layer of
2 screening material is cured glue prior to placing the at least one layer of screening
3 material on the heating apparatus.

1 29. (new) The method of claim 24 wherein the glue is moisture-curing hot melt
2 glue.

1 30. (new) The method of claim 24 wherein the secondary member is a frame
2 for a screen assembly.

1 31. (new) The method of claim 30 wherein the frame comprises an array of
2 tubular members.

1 32. (new) The method of claim 30 wherein the frame is coated with adhesive
2 material.

1 33. (new) The method of claim 32 wherein the secondary member is heated
2 sufficiently so that at least some of the adhesive material flows onto the at least one
3 layer of screening material to adhere together the secondary member and the at least
4 one layer of screening material.

1 34. (new) The method of claim 32 wherein the adhesive material is powderized
2 epoxy material.

1 35. (new) The method of claim 24 further comprising
2 removing the first screen assembly from the heating apparatus,
3 emplacing the first screen assembly on first cooling apparatus
4 adjacent the heating apparatus, and
5 cooling the first screen assembly with the first cooling apparatus.

1 36. (new) The method of claim 35 further comprising
2 while the first screen assembly is cooling, forming a second screen
3 assembly as in Claim 24.

1 37. (new) The method of claim 36 further comprising

2 removing the second screen assembly from the heating apparatus,
3 emplacing the second screen assembly on second cooling
4 apparatus, and

5 cooling the second screen assembly with the second cooling
6 apparatus.

1 38. (new) The method of claim 37 further comprising

2 while the second screen assembly is cooling, forming a third
3 screen assembly as in Claim 24.

1 39. (new) A method for making a screen assembly for use in a vibratory
2 separator, the method comprising

3 producing at least one layer of screening material with glue
4 thereon,

5 placing the at least one layer of screening material on heating
6 apparatus,

7 heating the at least one layer of screening material with the
8 heating apparatus,

9 placing a frame on the at least one layer of screening material on
10 the heating apparatus,

11 heating together the at least one layer of screening material and
12 the frame to combine the at least one layer of screening material and the frame
13 forming a screen assembly,

14 removing the first screen assembly from the heating apparatus,
15 emplacing the first screen assembly on first cooling apparatus
16 adjacent the heating apparatus, and

17 cooling the first screen assembly with the first cooling apparatus,
18 the first cooling apparatus comprising a base and a top platen
19 movable with respect to the base, the first screen assembly emplaceable on the
20 base, the first cooling apparatus comprising supply apparatus for supplying
21 cooling fluid to the base and to the top platen for cooling the first screen
22 assembly, the method further comprising

cooling the first screen assembly with the first cooling
apparatus further comprising
emplacing the first screen assembly on the base,
moving the top platen down onto the first screen assembly,
and

supplying cooling fluid to the base and to the top platen
with the supply apparatus to cool the first screen assembly.

40. (new) The method of claim 39 further comprising
each of the base and the top platen having a plurality of spaced-
apart cooling fluid lines, the method further comprising
supplying cooling fluid with the supply apparatus to each of
the cooling fluid lines to cool the first screen assembly.

41. (new) The method of claim 39 further comprising
the heating apparatus comprising a control system, a plurality of
spaced-apart heating elements, and a plurality of heat sensors, the plurality of
heat sensors spaced-apart and movable adjacent the at least one layer of
screening material, the heating elements spaced-apart on the heating apparatus,
the plurality of heat sensors in communication with the control system, the
method further comprising

sensing with the plurality of heat sensors temperatures of
different portions of the at least one layer of screening material during
heating thereof, and

controlling the plurality of spaced-apart heating elements
with the control system in response to temperatures sensed by the
plurality of heat sensors to control heat applied to the different portions
of the at least one layer of screening material during heating thereof.

42. (new) The method of claim 39 further comprising
placing a secondary member on the frame.

43. (new) The method of claim 39 wherein the first screen assembly is cooled
to about 88°F in about 2 to 4 minutes.